

WHO: Robert Mays School

WHERE: Hampshire, UK

WHY: Scalable, centrally controlled network was required



case study

With a network unable to support a growing wireless requirement and administration costs rising, REACT were chosen to deliver a flexible, cost efficient solution for Robert Mays...

School Overview...

Robert May's School, in the north of Hampshire, is a successful, well-established, voluntary controlled school providing a fully comprehensive education for students between the ages of 11 and 16.

The school, situated in the attractive village of Odiham, offers extensive facilities on a very pleasant site.

The school has developed a reputation for high standards and examination success at all levels.

Indeed, Robert May's is consistently one of the highest achieving schools in Hampshire and such achievements attract students from a wide geographical area.

Robert Mays School

A circular icon containing a white line-art illustration of a stack of books with an open book on top, set against a green background.

education

case study. Robert Mays

The Requirements

- Flexible Wireless Infrastructure
- Complete mobility thought out the site
- Secure access for faculty, student and guests
- Central control of all access points
- Adaptability for future

The Problem...

Robert Mays has always endeavoured to offer its students and staff the latest I.T technology. In 2003 Robert Mays began implementing a wireless network utilising Hewlett Packard ProCurve 420 access points (APs).

The system provided availability in a few key areas around the school, however the internet requirement soon increased and by 2006 the network had grown to over 50 APs.

This unfortunately was not a scalable solution, with each AP requiring manual configuration it was imposing severe restrictions on users and generating substantial overheads.

The school's priorities lay in establishing a flexible infrastructure that could scale to fit future growth and would reduce operational management expense.

The Technology

- ARUBA Wireless Infrastructure
- ARUBA 60/61 Access Points
- ARUBA Individual Firewall control module

The Benefits

- Complete Secure Wireless Infrastructure
- Auto-calibrating system that self-heals and eliminates interference
- Reduced administration and financial outlay
- Scalability to support hundreds of concurrent users
- Easily integrated into current framework

REACT's Solution...

React Technologies carried out a full survey of the site, analysing the problem and generating a RF plan to determine the actual amount of APs required to provide sufficient coverage.

Utilising Aruba's wireless technology, a solution was designed and seamlessly implemented into the existing infrastructure.

Combining centralised network control and automatic radio management the system prioritises traffic, automatically tunes and heals each AP and scales efficiently thus reducing administration and providing a cost effective service.

The high performance network now supports all simultaneous users securely, with the addition of a Policy Enforcement Firewall Module allowing security to be defined per user or group.

Why REACT Technologies?

We understand that in today's ever evolving business world it is imperative that our customers have cutting edge technology that is adaptable, cost efficient and secure. With a wide range of professional products and services we provide scalable, bespoke solutions that suit your requirements and ensure flexibility and ease with continuing maintenance and support.